

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2003/002720

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H04Q 7/38**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04Q 7/38, H04M 1/00, H04B 7/26, H04B 1/40

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and application for inventions since 1975
Korean Utility Models and applications for Utility Models since 1975Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
KIPASS**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-345019 A (KYOCERA Corp) Nov. 29, 2002 see abstract, Fig. 1 and Fig. 3	1, 11
A	KR 2001-0008695 A (Hyundai Electronics Inc.) Feb. 5, 2001 see page 2 and Fig. 1	1
A	KR 2002-0049819 A (LG Electronics Inc.) June 26, 2002 see abstract, page 1-2	11

 Further documents are listed in the continuation of Box C. See patent family annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "P" document published prior to the international filing date but later than the priority date claimed

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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search 26 MARCH 2004 (26.03.2004)	Date of mailing of the international search report 26 MARCH 2004 (26.03.2004)
Name and mailing address of the ISA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer KANG, Seong Kyoон Telephone No. 82-42-481-5752



INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2002-345019 A	Nov. 29, 2002	None	
KR 2001-0008695 A	Feb. 5, 2001	None	
KR 2002-0049819 A	June 26, 2002	None	